

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) ~~A route searching method in a navigation system mounted on a vehicle which searches a recommended route to a destination by using link information, comprising:~~

~~characterized in that the navigation system executes:~~
a storing unit adapted to store link data of a link configuring a road on a map and a data size of link data within each mesh area;

a unit adapted to read the data size of the link data within the each mesh area from the storing unit, and to store the data size within a memory;

~~the step of detecting~~a unit adapted to detect a stop of the vehicle;

~~the step of detecting~~a unit adapted to detect a current position of the vehicle in case the stop of the vehicle is detected or in case the navigation system itself is started;

~~the step of searching~~a first searching unit adapted to read the link data from the storing unit, and to search a route from the detected current position to an intersection within a range of a predetermined distance, by using the link information data;

~~the step of accepting~~a unit adapted to accept a setting of the destination; and destination;

~~the step of searching~~a second searching unit adapted to read the link data from the storing unit and to search a route from the intersection to the destination by

~~using the link information, in case the setting of the destination is accepted,~~accepted;

and

~~specifying~~a unit adapted to specify a route which is composed of the route searched from the current position to the intersection by the first searching unit and the route searched from the intersection to the destination by the second searching unit, as a recommended route, wherein:

the first and second searching units refer to the data size of the link data within the each mesh area stored in the memory before reading the link data, and confirms whether or not the link data can be developed on the memory.

2. (Currently Amended) ~~A route searching method in a navigation system mounted on a vehicle which searches a recommended route to a destination by using link information, wherein~~ comprising:

~~a display device is connected with the navigation system; and~~

~~wherein the navigation system executes:~~ a storing unit adapted to store link data of a link configuring a road on a map and a data size of link data within each mesh area,

a unit adapted to read the data size of the link data within the each mesh area from the storing unit, and to store the data size within a memory,

~~the step of detecting~~ a unit adapted to detect the current position of the vehicle;

~~the step of accepting~~ a unit adapted to accept an input of the destination from a user;

the step of displaying a unit adapted to display a screen to accept confirmation from the user whether or not the destination accepted is erroneous, on the display device;

the step of setting a unit adapted to set the destination in case data indicating that the destination is not erroneous is accepted from the user;

the step of searching a searching unit adapted to read the link data from the storing unit and search the route from the detected current position to the accepted destination by using the link information data, before the destination is set, in case the input of the destination is accepted; and

the step of specifying a unit adapted to specify the searched route as a recommended route in case the destination is set, wherein:

the searching unit refers to the data size of the link data within the each mesh area stored in the memory before reading the link data, and confirms whether or not the link data can be developed on the memory.

3. (Currently Amended) A route searching method in a navigation system mounted on a vehicle which searches a recommended route to a destination by using link information, comprising:

a storing unit adapted to store link data configuring a road on a map and a data size of link data within each mesh area; and

a unit adapted to read the data size of the link data within the each mesh area from the storing unit, and to store the data size within a memory; wherein:

the navigation system executes,

means which detects a step for detecting a stop of the vehicle;

~~means which detects~~ a step for detecting a current position of the vehicle in case the stop of the vehicle is detected or in case the navigation system itself is started;

~~means which searches~~ a first searching step for reading the link data from the storing unit and searching a route from the detected current position to an intersection within a range of a predetermined distance, by using the link information ~~data~~;

~~means which accepts~~ a step for accepting a setting of the destination; and ~~destination~~;

~~means which searches~~ a second searching step for reading the link data from the storing unit and searching a route from the intersection to the destination by using the link information ~~data~~, in case the setting of the destination is accepted; ~~accepted~~; and

~~to specify~~ a step for specifying a route which is composed of the route searched from the current position to the intersection by the first searching unit and the route searched from the intersection to the destination by the second searching unit, as a recommended route; and

the navigation system further executes a step for referring to the data size of the link data within the each mesh area stored in the memory, before the first and second searching steps read the link data, and a step for confirming whether or not the link data can be developed on the memory.

4. (Currently Amended) A navigation system ~~mounted on a vehicle which~~
~~searches a recommended route to a destination by using link information,~~
comprising:

a storing unit adapted to store link data configuring a road on a map and a
data size of link data within each mesh area; and

a unit adapted to read the data size of the link data within the each mesh area
from the storing unit, and to store the data size within a memory; wherein:

the navigation system is connected with a display device, and

the navigation system executes,

~~means which detects~~ a step for detecting a current position of the vehicle;

~~means which accepts~~ a step for accepting an input of the destination from a

user;

~~means which displays~~ a step for displaying information to accept confirmation
from the user whether or not the destination accepted is erroneous;

~~means which sets~~ a step for setting the destination in case data indicating that
the destination is not erroneous is accepted from the user; and

~~means which searches~~ a step for reading the link data from the storing unit
and searching a route from the detected current position to the accepted destination
by using the link ~~information~~ data, before the destination is set, in case the input of
the destination is accepted; and

~~means which specifies~~ a step for specifying the searched route as a
recommended route in case the destination is set, and

the navigation system further executes a step for referring to the data size of
the link data within the each mesh area stored in the memory before the searching

step reads the link data, and a step for confirming whether or not the link data can be
developed on the memory.